



Montana Department of  
**ENVIRONMENTAL QUALITY**

Brian Schweitzer, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • [www.deq.mt.gov](http://www.deq.mt.gov)

**RECEIVED**

November 6, 2008

**NOV 11 2008**

Mr. Steve Wolters  
North Star Aviation, Inc.  
516 Airport Road  
Hamilton, MT 59840

Ravalli County Commissioners

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**Subject: Additional Corrective Action and Work Plan Required for Petroleum Release at North Star Aviation, Ravalli County Airport, 516 Airport Road, Hamilton, Montana; Facility ID # 99-95007, Release # 4668**

Dear Mr. Wolters:

The Department of Environmental Quality, (DEQ) has reviewed the excavation figures and analytical data, prepared and submitted on your behalf by Tyler Etzel of PBS&J, dated September 18, 2008, for the petroleum release discovered at the above-referenced facility. Based on current information, DEQ has determined that further remedial action is required.

Please have your environmental consultant submit to DEQ by **March 31, 2009**, a Standardized Abbreviated Contaminated Soil Excavation and Disposal Corrective Action Plan (CAP AC-04), which includes the following scope of work:

- Two separate locations should be excavated before **August 31, 2009**. Soil boring GP-4 which was installed northwest of the Airport Maintenance Building reported analytical results of 22,000 parts per million (ppm) total purgeable hydrocarbons (TPH), and 32,100 ppm total extractable hydrocarbon (TEH). Soil boring GP-3, which was installed southeast of the Airport Maintenance Building reported a TPH concentration of 854 ppm.
- On October 24, 2008, excavation began south and east of the aboveground storage tanks. Estimate the amount of soil already removed from the southeastern portion of the site, as well as projected future volumes. Provide the location for the disposal or treatment of contaminated soils. Soil treatment is the preferred method. Please submit the enclosed Application to Landfarm Contaminated Soils.
- Collect discrete sidewall bottom soil samples for every 25 linear feet, and discrete bottom soil samples for every 625 feet<sup>2</sup> of the excavation area. Submit samples to a laboratory for volatile petroleum hydrocarbons (VPH) and extractable petroleum hydrocarbon (EPH) screen, if EPH screen analytical results exceed 200 ppm, have the sample fractionated. Composite samples will not be considered sufficient to characterize the extent of the contaminated area.
- Groundwater monitoring wells should be installed at both areas of contamination post-excavation. A minimum of three (3) monitoring wells should be installed; one (1) down gradient of the northwest most contaminated area; one (1) well should be installed to the east of the Airport Maintenance Building; and one (1) up gradient well to the southeast of the aboveground storage tanks. Collect groundwater samples from each well and submit to a laboratory for VPH and EPH screen analysis. If the EPH screen concentration exceeds 500 parts per billion then have the sample fractionated.
- Within 30 days of receiving soil and groundwater analytical results have your consultant submit a Standardized Abbreviated Generic Applications Report (AR-07).

Mr. Steve Wolters  
North Star Aviation  
Fac ID #99-95007, Release #4668  
November 6, 2008  
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- In addition to hard copies, DEQ is requesting that electronic copies of the CAP and Report(s) be submitted on disk or electronically in MS Word, Excel, or Adobe Acrobat PDF format.

Standardized DEQ corrective action plan (CAP) and report formats may be found on the DEQ website at: <http://www.deq.mt.gov/LUST/TechGuidDocs/techguidlist.asp>

The CAP should include itemized costs and the description of the tasks proposed to define the extent and magnitude of the contamination. DEQ recommends that your consultant obtain three bids for all non-professional environmental subcontracted services, including but not limited to, drilling services, construction services, electrical services, etc. Costs to conduct drilling should be submitted as unit bids. Laboratory analytical services are excluded from obtaining three bids. All bids must be submitted with the CAP.

Implementation of the CAP can begin after you receive written notification that the scope of the CAP has been approved by DEQ. The Petroleum Tank Release Compensation Board (PTRCB) will review and comment on the costs associated with the CAP.

If you have any questions, please contact me at (406) 841-5044.

Sincerely,



Nicholas Sovner  
Environmental Science Specialist  
Petroleum Technical Section

Cc: PTRCB

Tyler Etzel, PBS&J, 1120 Cedar St., Missoula, MT 59802-3911

Page Gough, C/O Ravalli County Airport, 215 South 4th St. Suite A, Hamilton, MT 59840

Carlotta Grandstaff, Chairman, Ravalli County Commissioner's Office, 215 South 4<sup>th</sup> St., Suite A, ✓  
Hamilton MT, 59840

Dan Hooten, Ravalli County Sanitarian, 215 South 4th St. Suite D, Hamilton, MT 59840

Encl: Application to Landfarm Contaminated Soils

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